Operating Instructions

Zelaris AC

Control software for eneo
and Axis network cameras

eneo®

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1. General Description

Zelaris AS is a programme for use in the field of access control.

The combination of eneo network cameras and/or AXIS components and the Zelaris AC Server software emulate a video and two-way voice door control system. The network cameras/servers use the Ethernet in order to transmit video, audio, and control data in the network. In combination with the Zelaris AC server they enable the building entrance area or similar to be monitored from a PC workplace. When a visitor presses the door bell button, which is connected to the alarm input contact, the PC presents the video image as a pop-up. The audio button integrated into the software can activate the integral microphone in the connected components. A door-opener or similar device can be operated by actuating the alarm output contact via the action button in the software.

The Zelaris AC enlarges the Zelaris AS by one workplace in each case.

- Client Version of the Zelaris control programme (only 76012)
- For the automatic surveillance of doors / vehicle barriers (only 76011)
- For the use of NW components from eneo and Axis
- Expansion to additional workstations (only 76012)
- Unlimited number of workstations (only 76012)
- Triggered by alarm contacts or Motion Alarm (only 76011)
- Pure software system
- Automatic switch-on and recording on PC
- Bi-directional audio transmission
- Available protocols: TCP/IP, FTP and SMTP
- Single workplace licence (only 76012)

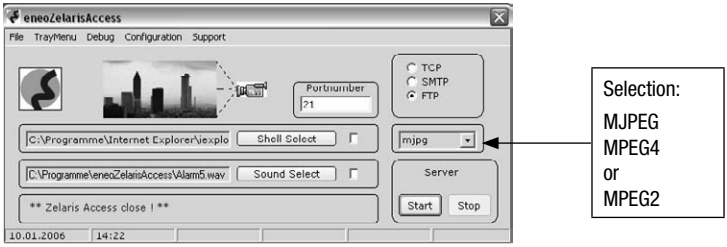
Cameras and web servers supported

- eneo ENC1001L
- eneo ENC1001W
- eneo ENC1002L
- eneo ENC1002W
- eneo ENC1003L
- eneo ENC1003W
- eneo ENC1004L / GLC1401
- eneo ENC501L
- eneo ENC501W
- eneo ECS-01
- Axis MJPEG (complete product range)
- Axis MPEG4 (complete product range)
- Axis MPEG2 (complete product range)

2. Presentation

As can be seen from the foregoing, various different formats and compression procedures can be displayed with the Zelaris AS:

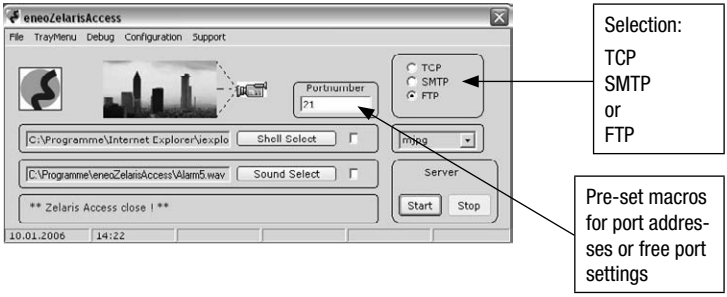
- MJPEG
- MPEG-4
- MPEG-2



3. Protocols

In addition to this, three different IP protocols are supported:

- TCP **Transmission Control Protocol** (Axis)
- FTP **File Transport Protocol** (Axis, eneo)
- SMTP **Simple Mail Transport Protocol** (Axis)



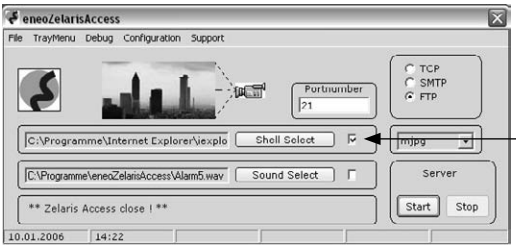
The port addresses for the individual protocols are stored as macros but can also be freely selected:

- TCP Port: 1500
- FTP Port: 21
- SMTP Port: 25

4. Description

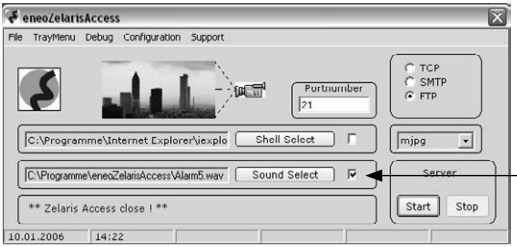
The Zelaris AS works with the Active-X components provided by the manufacturers. In addition to this it also offers the possibility of incorporating other devices in which no Active-X is available.

If these devices have their own applications, or can be accessed via the Internet Explorer, they can be started by means of a „shell". This is done very simply by placing a tick against only the „Shell" option in the application.



Activate the „Shell" function in order to call up another provider's software.

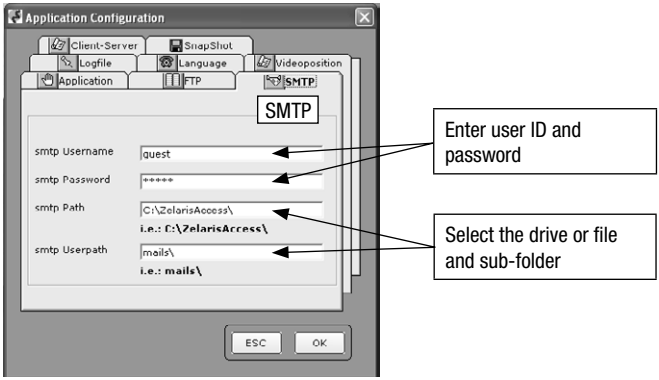
Acoustic signals can also be incorporated. This is done by placing a tick against the „Sound" option. Some examples of sounds are included in the programme as delivered, but of course users can also use sounds of their own choice.

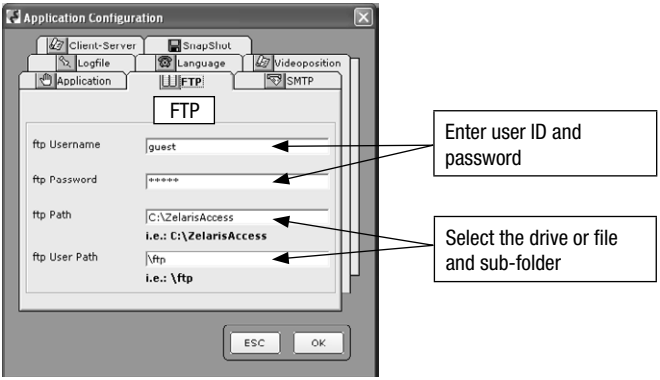


Activate sounds when certain events occur.

The protocols can be adjusted in order to trigger the Zelaris AS. This means that, all according to the preset protocol, the Zelaris AS is switched from its standby mode to its active mode and the live pictures are displayed.

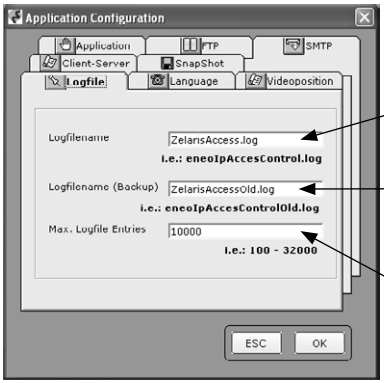
As an additional function, if the SMTP or FTP protocol has been pre-set the current images are stored on the internal hard disc of the PC. In the case of the SMTP protocol a small eMail server is activated, or with the FTP protocol it is an FTP server. The drive and the paths can be set or selected accordingly in the configuration part of the Zelaris AS.



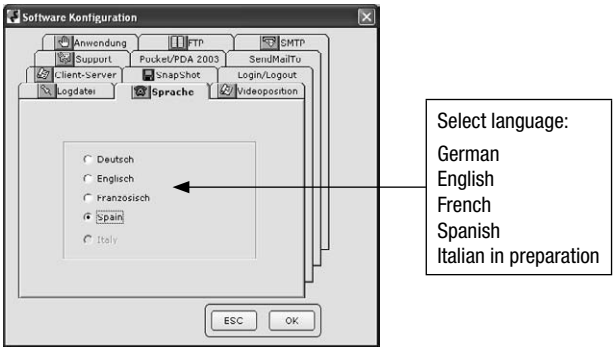


The Zelaris AS documents each event in a log file, which can be given the appropriate name in the configuration part of the software. In addition to this, when the maximum file size has been reached a back-up file is created in which all the information in the log file is mirrored. After that a new log file is opened.

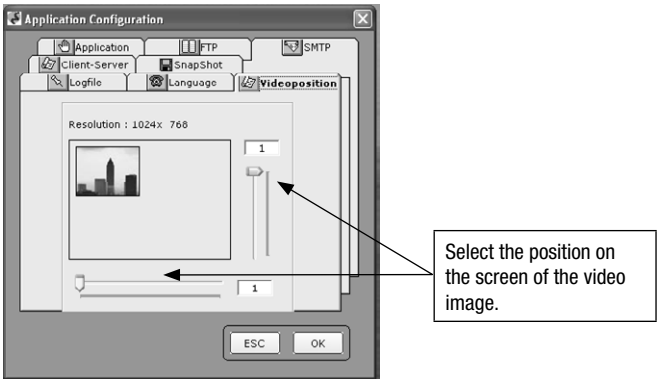
The back-up file can of course also be given its own name in the configuration part of the Zelaris AS.



The Zelaris AS also possesses language options with which one can choose between four languages (German, English, French and Spanish). The language setting is accepted immediately in all the Zelaris AS menus.

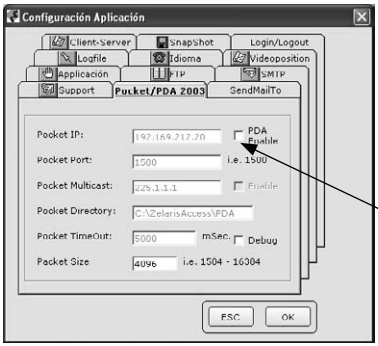


If an event is triggered, the connection to the network cameras and/or video server is created immediately. The position of the video image display on the PC screen can likewise be defined in the configuration part of the Zelaris AS.

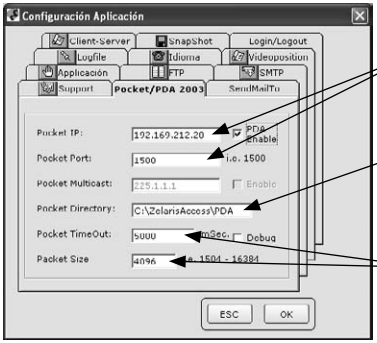


Sending alarm images to a PDA-2003:

The Zelaris AC #76011 is able to send alarm images to an available PDA within the network. The Zelaris-AC PDA option #76024 must be installed on the PDA.



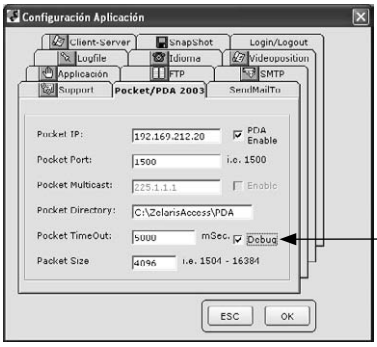
Select PDA option



Enter the IP Address of the PDA and the port number to be used

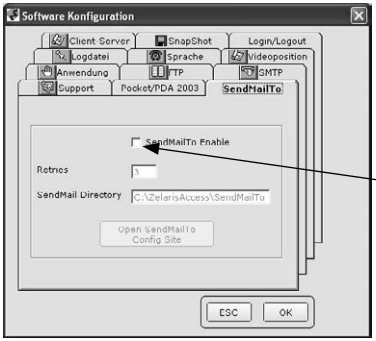
Determine directory for the alarm images

Specify values for network timeout and packet size. Values are dependent on the available network.

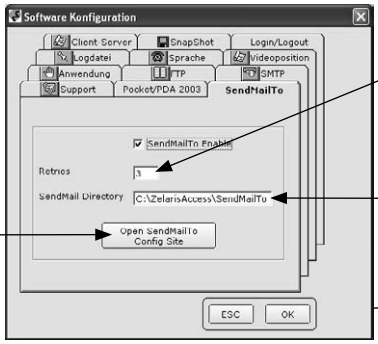


Activation instructions: write additional information into the log file.

If information is to be sent to an e-mail server following the activation of the alarm, these functions can be activated accordingly:



Select e-mail function

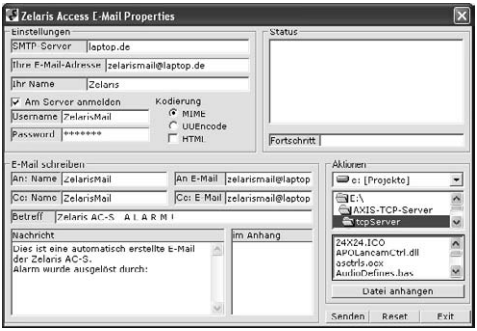


Insert number of retries to be performed in the event that the mail server cannot be obtained.

Insert the file directory where the alarm images to be sent by email are to be saved

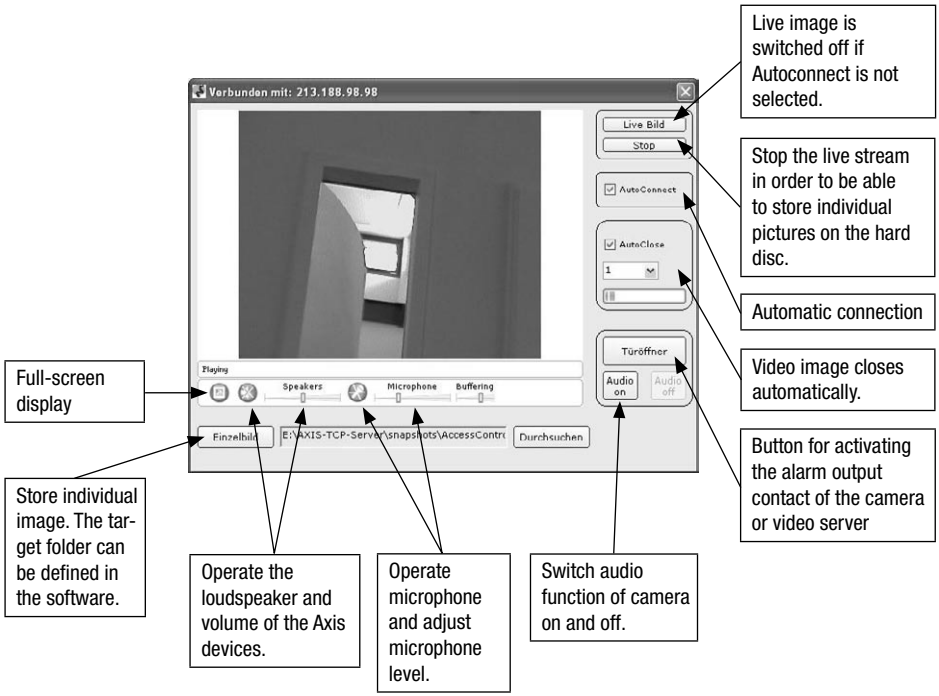
Open the mail client

Save the input data and end the configuration



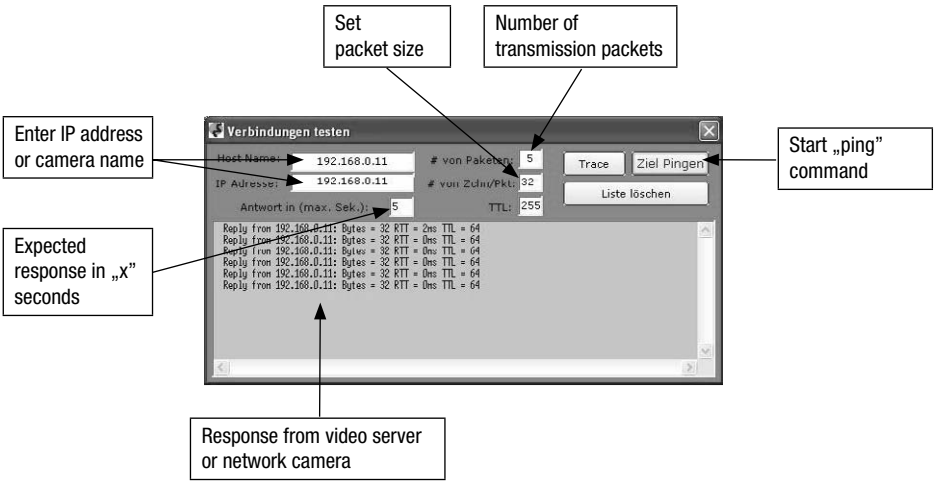
The opened video image viewer provides various options:

- Automatic connection
- Automatic closing of the video image after a preset length of time
- Stopping the live stream in order to be able to store individual images on the internal hard disc of the PC (to examine suspicious persons or circumstances)
- Actuating the alarm output contact of the network camera or the video server in order to access external devices such as door-openers or vehicle barriers
- Audio function of the cameras and video servers. In the case of Axis equipment with bidirectional audio support, speech to the visitor is automatically activated as well (PC sound card).
- Full-screen display of the video image (return to standard size with the „Esc" key).


Verbunden mit: 213.188.98.98
Live Bild
Stop
AutoConnect
AutoClose
1
Türöffner
Audio on
Audio off
Playing
Speakers
Microphone
Buffering
Einzelbild
E:\AXIS-TCP-Server\snapshots\AccessContr
Durchsuchen
Live image is switched off if Autoconnect is not selected.
Stop the live stream in order to be able to store individual pictures on the hard disc.
Automatic connection
Video image closes automatically.
Button for activating the alarm output contact of the camera or video server
Full-screen display
Store individual image. The target folder can be defined in the software.
Operate the loudspeaker and volume of the Axis devices.
Operate microphone and adjust microphone level.
Switch audio function of camera on and off.

The Zelaris AS also offers tools for such tasks as checking the devices connected to it for their function in the network. These include:

- Pinging IP addresse
- Tracing IP addresse


Set packet size
Number of transmission packets
Enter IP address or camera name
Verbindungen testen
Host Name:
192.168.0.11
IP Adresse:
192.168.0.11
von Paketen:
5
von Zehn/Pkt:
32
Antwort in (max. Sek.):
5
TTL:
255
Trace
Ziel Pingen
Liste löschen
Start „ping" command
Expected response in „x" seconds
Reply from 192.168.0.11: Bytes = 32 RTT = 2ms TTL = 64
Reply from 192.168.0.11: Bytes = 32 RTT = 0ms TTL = 64
Reply from 192.168.0.11: Bytes = 32 RTT = 0ms TTL = 64
Reply from 192.168.0.11: Bytes = 32 RTT = 0ms TTL = 64
Reply from 192.168.0.11: Bytes = 32 RTT = 0ms TTL = 64
Reply from 192.168.0.11: Bytes = 32 RTT = 0ms TTL = 64
Response from video server or network camera

„Ping" command

The „ping" command is used to check the availability of a device in the network. The response comes back with information on the time the data packets took to return from the device.

„Trace" command

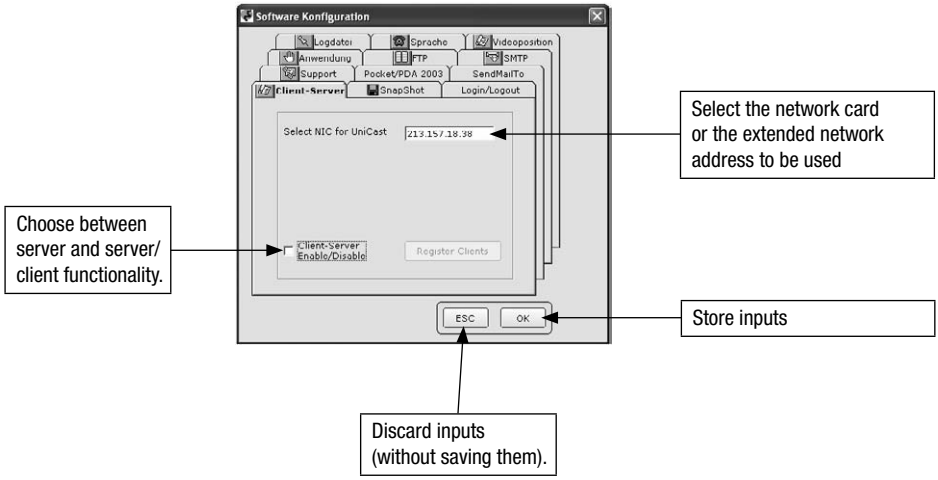
The „trace" command is used to locate individual routers installed between the transmitter and the receiver. If a data packet fails to reach a receiver, this command obtains a response listing all the routers through which it was possible to send the data packet. The last response shows the router at which the data stream was broken off.

The Zelaris AS can be configured in two different operating modes. These are:

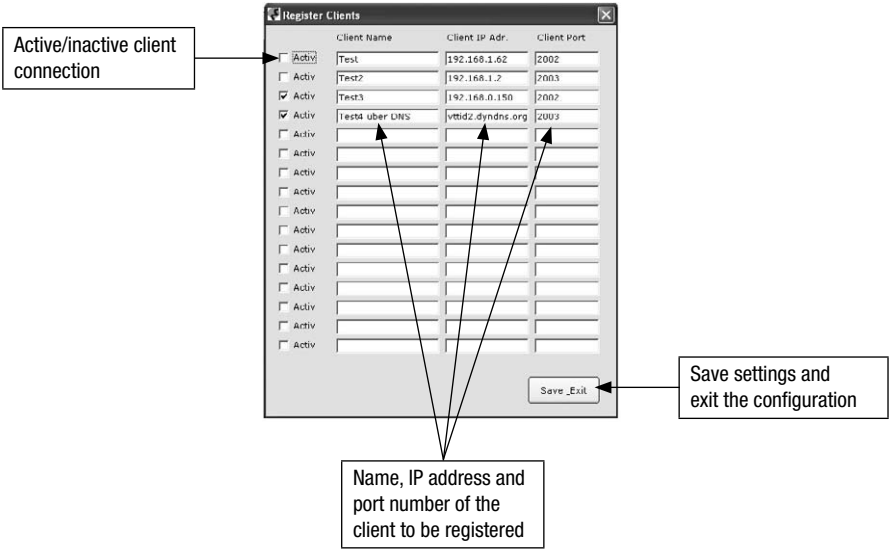
- Single-licence application (server)
- Multiple-licence application (client/server)

The single-licence application, as the name shows, is used when the system consists of only one workplace.
In this case the Zelaris AS stores and visualises all events. When used as a multi-licence application the Zelaris AS is configures as a client/server application, and the way in which it works is this:

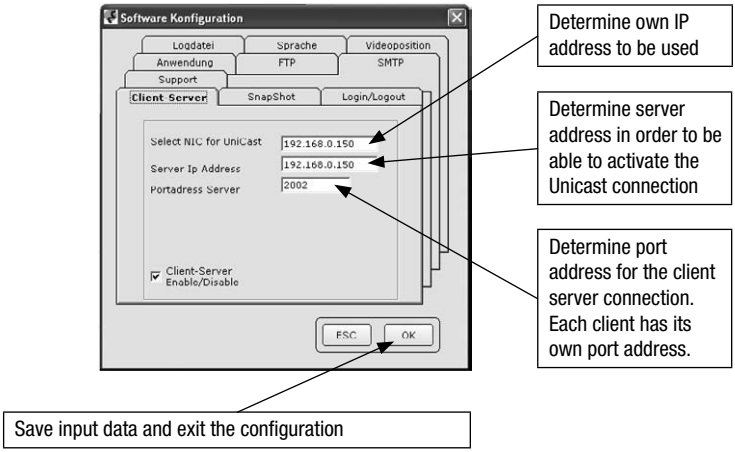
When an event is received the programme stores the alarm images on the internal hard disc of the PC.
In parallel with this a data packet is sent with a multicast address into the internal network and informs all the workstations on which the Zelaris AC #76012 is installed that a video request has been received. This means that all the clients, after receiving this data packet, open a small window panel in which the video image can be called up. If the „open video image" button is selected, a direct link to the source that activates the alarm will be generated. The control panel will then close automatically.
If this button is not selected, the control panel will automatically close after three minutes.



Up to 16 clients can be registered in the server application #76011. These can be set up as both internal and external LAN clients. A connection via a fixed external IP address or as a DynDns client is also possible.



Client server client configuration:

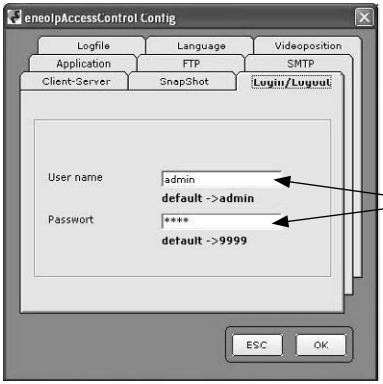


The Zelaris AS and also the Zelaris AC can be configured as a standard or as a background application.
The decision as to how the programme is to work can also be set in the configuration part. If you click on the „TrayIcon" option the application will run in the background and will be shown on the Windows desktop as an icon in the bottom right-hand corner.

Select standard or background application.

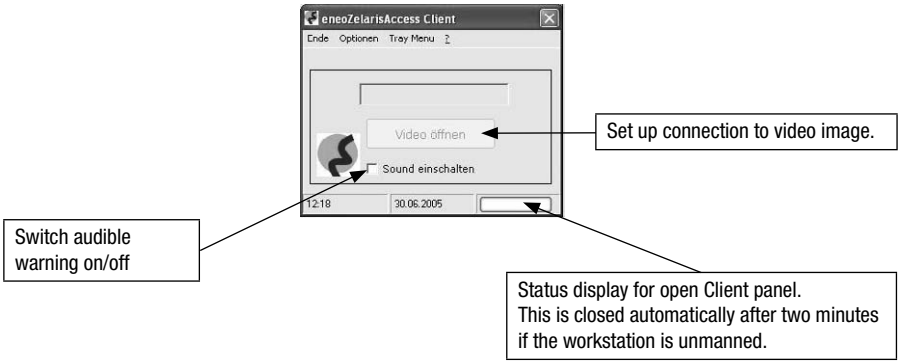
A password is always needed in order to configure or close the Zelaris AS or the Zelaris AC.
When the programme is delivered the user name is „**admin**" and the password is „**9999**".

These can of course be changed in the configuration part.



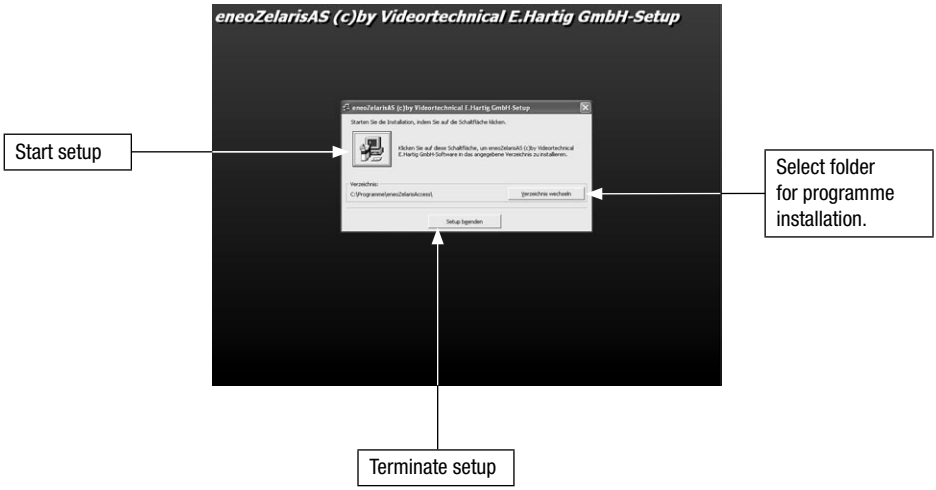
User name and password to configure and exit from Zelaris AS/AC.

The configuration of the Zelaris AC #76012 is almost identical with that of the Zelaris AS #76011 described above. The differences can be described as follows:


eneoZelarisAccess Client
Ende Optionen Tray Menu ?
Video öffnen
Sound einschalten
12:18
30.06.2005
Set up connection to video image.
Switch audible warning on/off
Status display for open Client panel.
This is closed automatically after two minutes if the workstation is unmanned.

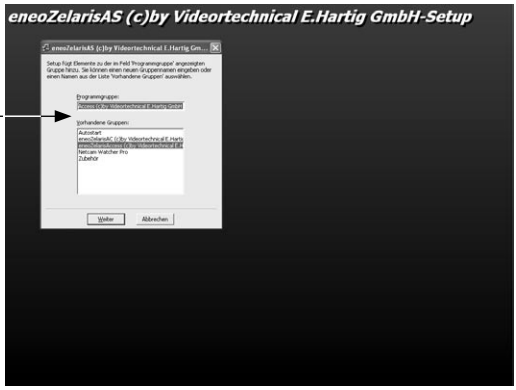
In the Appendix you will find instructions on the setup (installation) of the Zelaris AS / AC.

Step 1



Step 2

Select programme name for start menu.



Step 3

Status display during programme installation

Terminate installation

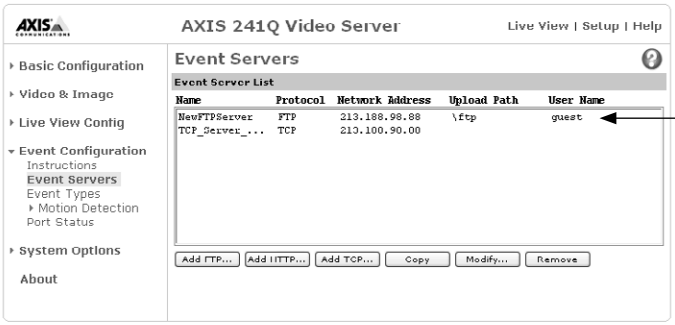
Step 4

eneoZelarisAS (c)by Videortechnical E.Hartig GmbH-Setup
eneoZelarisAS (c)by Videortechnical E.Hartig GmbH-Setup wurde erfolgreich abgeschlossen
OK

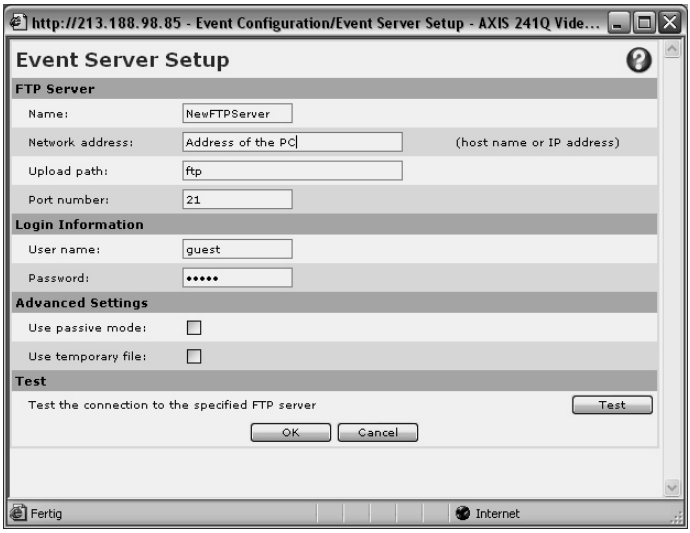
The completion of the installation is confirmed with „OK".

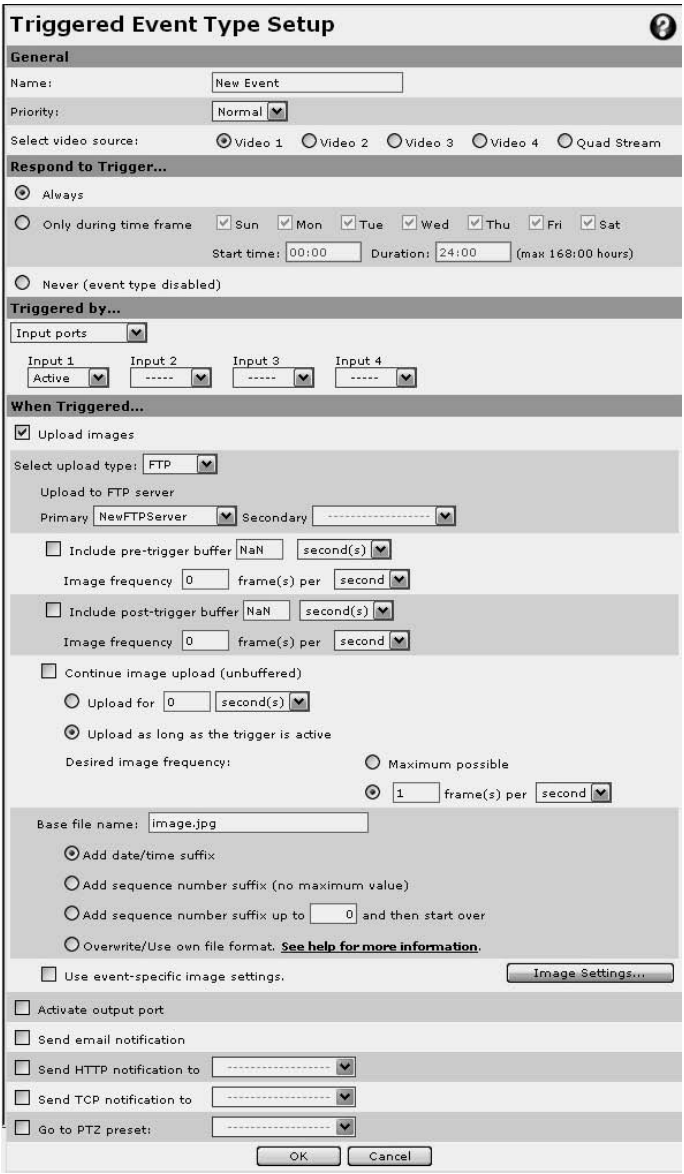
Instructions on setting the configuration of the network camera or video server

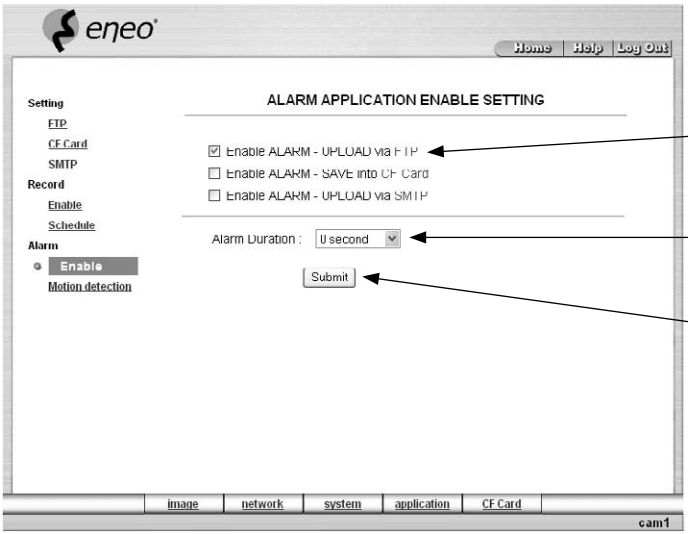
AXIS



Create an event server for FTP events



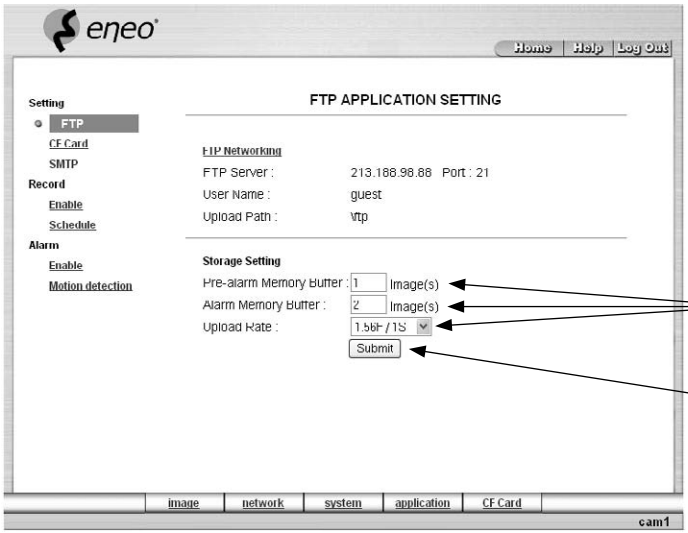

Triggered Event Type Setup
General
Name:
New Event
Priority:
Normal
Select video source:
Video 1
Video 2
Video 3
Video 4
Quad Stream
Respond to Trigger...
Always
Only during time frame
Sun
Mon
Tue
Wed
Thu
Fri
Sat
Start time:
00:00
Duration:
24:00
(max 168:00 hours)
Never (event type disabled)
Triggered by...
Input ports
Input 1
Active
Input 2
Input 3
Input 4
When Triggered...
Upload images
Select upload type:
FTP
Upload to FTP server
Primary
NewFTPServer
Secondary
Include pre-trigger buffer
NaN
second(s)
Image frequency
0
frame(s) per
second
Include post-trigger buffer
Continue image upload (unbuffered)
Upload for
Upload as long as the trigger is active
Desired image frequency:
Maximum possible
1
Base file name:
image.jpg
Add date/time suffix
Add sequence number suffix (no maximum value)
Add sequence number suffix up to
and then start over
Overwrite/Use own file format.
See help for more information.
Use event-specific image settings.
Image Settings...
Activate output port
Send email notification
Send HTTP notification to
Send TCP notification to
Go to PTZ preset:
OK
Cancel



Define destination for alarm images.

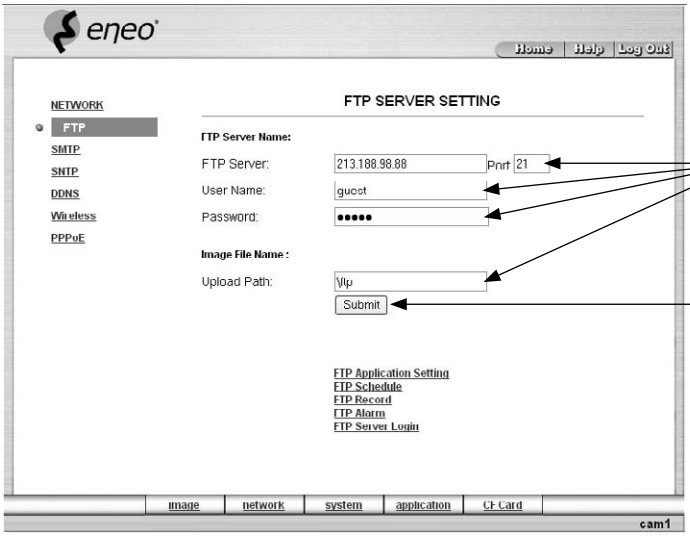
Define the total length of the recording.
0 seconds = 1 image

Confirm input



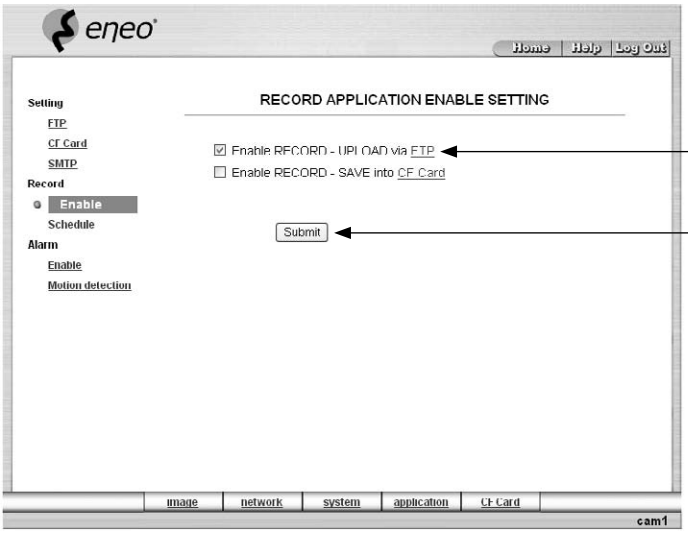
Define number of images before and after alarm

Confirm input



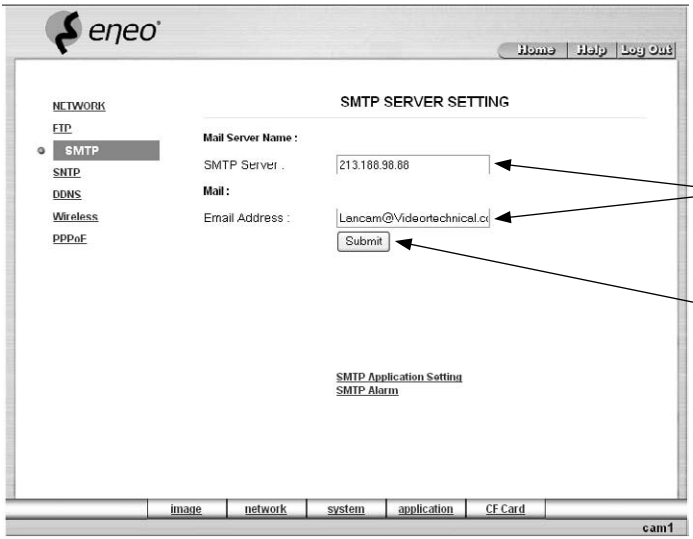
When the FTP protocol is being used, enter the address, port, user ID, password, and memory path.

Confirm input



Activate image transfer for FTP events.

Confirm input



When the eMail protocol is being used, enter the server address and eMail address.

Confirm input

5. Technical Specifications

Model	ZELARIS_AC S	ZELARIS_AC C
Description	Control software for network cameras from eneo and Axis	Client software for Zelaris_AC S
EDP No.	76011	76012
Hard Disc Capacity	40GB and upwards; depends on number of components connected	
Screen Output	VGA card for displaying live image	
Interface	NIC 10/100MBit, fast Ethernet, RJ-45	
Memory Capacity	Internal memory, minimum 512MB	
Processor Type	Pentium III: 1.8GHz	
System Requirements	PC platform: Windows 2000 SP.4, Windows XP Home or XP Prof. SP.2 At least 2GHz, 256MB RAM hard disc capacity depending on requirements. High-performance graphics card recommended.	
Currently Supports	AXIS, eneo, JVC, JPEG generally, MJPEG	

Accessories

EDP No.	Type	Description
76023	ZELARIS_AC SMO	Site Map Option for Zelaris_AC S **(only for # 76011)**
76027	ZELARIS_AC VIEW	Alarm Playback Option for Zelaris_AC
76024	ZELARIS_AC PDA	PDA Client Option for Zelaris_AC S **(only for # 76011)**

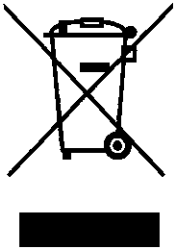
Accessories for

EDP No.	Type	Description
91423	ENC-501L	1/3" Network colour camera with CS Mount, int. Web Server, 5VDC/230VAC, 340TVL
91434	AXIS 241Q	Video Network Server with 4 inputs, 768x 576 pixels, 7-20VDC
91433	AXIS 241S	Video Network Server with 1 input, 768x 576 pixels, 7-20VDC
91523	ENC-1004L	1/3" Network colour camera with CS Mount, int. Web Server, 5VDC/230VAC, 480TVL
91534	GLC-0501	1/3" Network colour camera with CS Mount, int. Web Server, 5VDC/230VAC, 340TVL
91535	GLC-1401	1/3" Network colour camera with CS Mount, int. Web Server, 5VDC/230VAC, 480TVL

WEEE (Waste Electrical & Electronic Equipment)

Correct Disposal of This Product

(Applicable in the European Union and other European countries with separate collection systems)



This marking shown on the product or its literature, indicates that it should not be disposed with other household wastes at the end of its working life. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate this from other types of wastes and recycle it responsibly to promote the sustainable reuse of material resources.

Household users should contact either the retailer where they purchased this product, or their local government office, for details of where and how they can take this item for environmentally safe recycling.

Business users should contact their supplier and check the terms and conditions of the purchase contract. This product should not be mixed with other commercial wastes for disposal.

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